SMART CITY PDX

HIGH TECH FOR SAFER STREETS:

The Traffic Safety Sensor Project

When it comes to designing safer streets for all users, accurate information is crucial. The engineers and safety experts who design the streets need to know how people use the streets, including where people typically walk, bike and drive. They need to know how fast people are driving and where pedestrians typically cross the streets. In the past, gathering this information was a very laborious and time-consuming process.

But now thanks to new sensor technology, it has become much easier to gather these insights into how people are traveling on our streets and where the danger spots are. With the information provided by these sensors, traffic and safety engineers can produce better street designs. The Smart City PDX Traffic Safety Sensor Project will pilot the use of these sensors on three of Portland's most dangerous streets: 122nd, Hawthorne and Division. PBOT staff will use the sensor information to make recommendations about future changes to make is easier for people to travel safely along these and other Portland streets.

About the Sensors: The sensors, which are manufactured by project partner, *Current by GE*, have hardware and software that allow them to collect information about environmental conditions, parking and transportation activities.
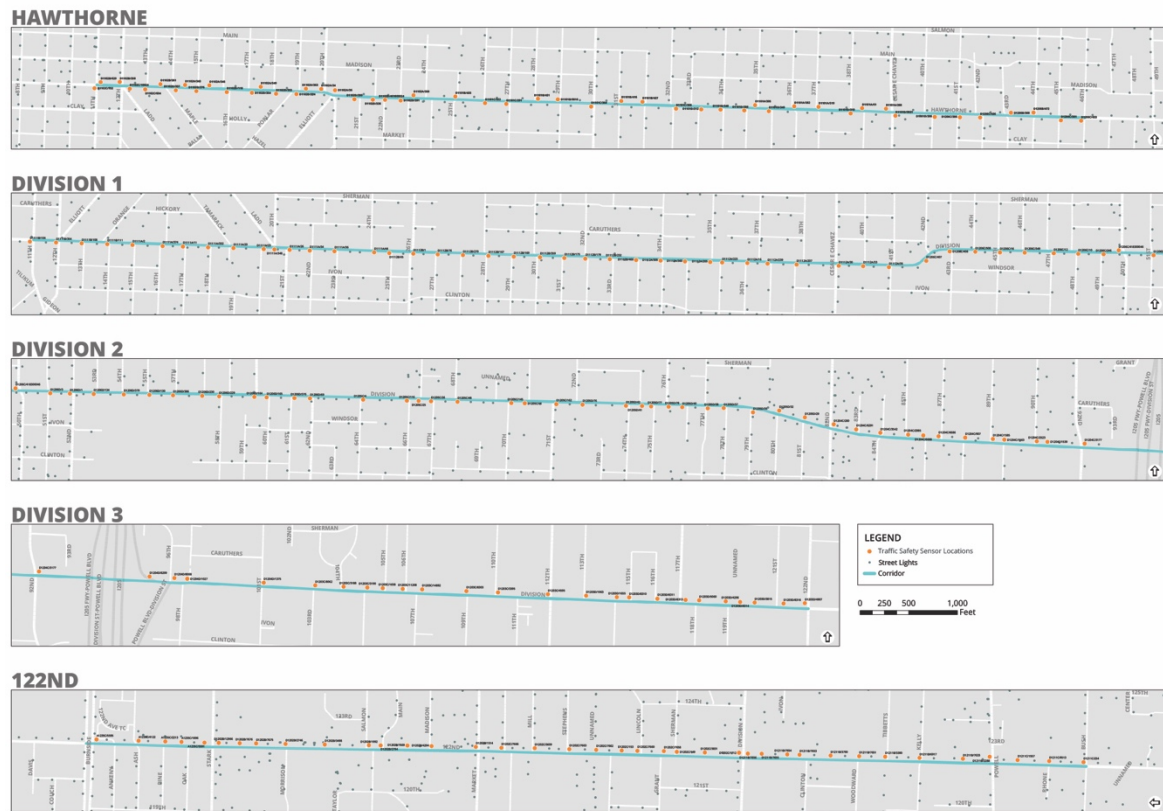
PBOT
PORTLAND BUREAU OF TRANSPORTATION

What they can be used for:
* Provide an accurate, around the clock count of vehicles, pedestrians and bicycles
* Analyze vehicle speeds and identify areas where excessive speeding is prevalent
* Identify demand and supply of parking spaces

Map of project area: Traffic Safety Sensor Locations

Project Budget: $1,012,000. The project is being funded with a mix of general transportation revenue, Transportation System Development Charges and funding and in-kind contributions from the projects private sector partners.

Project Partners. The project is a partnership between the City's Smart City PDX Project and AT&T, Current by GE, Intel and Portland General Electric.

For more information about the project, please visit: portlandoregon.gov/smartcity.
For more information about Smart City PDX, please visit: smartcitypdx.com.